

Ref. 6



38010

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REPORT OF SAMPLING ACTIVITIES
RICHARDSON FLAT TAILINGS
SUMMIT COUNTY, UTAH
TDD R8-8505-27

EPA REGIONAL SITE PROJECT OFFICER: ERIC JOHNSON
E&E PROJECT OFFICER: SUSAN KENNEDY

SUBMITTED TO: KEITH SCHWAB - FIT DPO
WILLIAM GEISE - REM-FIT COORDINATOR

DATE SUBMITTED: SEPTEMBER 30, 1985

3. Soil Samples

One off-site background soil sample was collected as planned, however, the two proposed downwind off-site soil samples were omitted. It was the opinion of Eric Johnson and the FIT that quantifying wind blown contaminants on off-site soils was beyond the scope of this sampling effort.

Four surface tailings samples were collected from dispersed locations on the tailings. Photo 5 shows FIT members collecting a composite surface tailings sample (RT-SO-6), where a surficial salt crust is evident. The fourth tailings sample location was added to photo document air-borne tailings material while simultaneously sampling from the source (Photo 6). Surface soil and tailings samples were composited from a triangular grid, and collected with a stainless steel spoon from the top zero to six inches. Surface soil and tailings samples were analyzed for total metals and cyanide.

4. Split Spoon Samples

Two subsurface background soil samples and four subsurface tailings samples were collected. During drilling of the background well, two subsurface soil samples were collected using the split spoon sampler. Sample RF-SS-1 was composited over the five to seven foot depth interval. Sample RF-SS-2 was composited over the ten to twelve foot depth interval.

Four subsurface tailings samples were collected from a hole drilled in to the tailings, using the split spoon sampler. The subsurface tailings samples were composited over the following depth intervals:

<u>Sample #</u>	<u>Depth to Interval</u>	<u>Zone</u>
RF-SS-3	1.0 - 3.5	oxidized*
RF-SS-4	3.5 - 7.5	reduced*
RF-SS-5	12.0 - 17.8	tailings/soil contact
RF-SS-6	17.8 - 18.0	soil beneath tailings

* Tailings zones determined on-site by FIT geochemist, Dave Tuesday.

DRILLING LOG

Well/Boring Number Boring RT-2 (Tailings)
 Project Richardson Flats Tailings
 Project Number RS-8505-27
 Date Started 8/2/85
 Date Completed 8/2/85

Geologist Rob Smith / D Tuesday
 Driller Pave's Drilling
 Geophysical Logger
 Permit Number
 Property Owner Park City Mines, Inc.

LOCATION

N.
 E.
 Elevation 6600 ± 20

+	+X
- - -	- - -
+	+

SE 1/4 of NE 1/4 of NE 1/4
 Section Z T 25 R 4E
 County Summit State Utah

Drilling Method Air Rotary / Split Spoon Sampler
 Samples Piezometer
 Rig Make and Model Chicago Pneumatic / CP-7000
 Drill Bit Diameter 6" (2" split spoon)

Logs

Res. SP Gam. G-Den. Neut. Calip. Dev. Sonic
 Pipe dope used

DRILLING, CORING, BIT AND CASING RECORDADDITIVES USED

Diameter	Depth From	Depth To	Notes
6"	0	3.5	Oxidized
}	3.5	12.5	Reduced
	12.5	14	Coarse Jig Tails
	16	17.7	Clay Sulfides
✓	17.7	22	Clay + Gravel

Depth From	Depth To	Additives

Notes: Four split spoon samples taken
hole in Tailings Pond
Grouted + Back filled after sampling
Wet at 12'.